

DSC-WX220/B

Compact Point and Shoot Digital Still Camera

Get the crisp, low-light shots you just can't capture with your cell phone. With a 10x optical zoom and pocket-sized precision, this Cyber-shot camera will make your cell phone jealous. You'll also enjoy Full HD video recording and an Exmor R® CMOS sensor that immortalizes moments with incredible detail—all in a package that weighs less than most cell phones.



Key Features

10x Optical / 20x Clear Image Zoom G Lens

Get close with 10x optical zoom plus 20x Clear Image digital zoom. Most digital zooms use electronic cropping to get closer to the subject, resulting in unsharp images. With Clear Image Zoom the powerful processor compares patterns found in adjacent pixels and creates new pixels to match selected patterns, resulting in more realistic, higher-quality images. Clear Image Zoom doubles optical zoom for closer photos.

18.2MP Exmor R® CMOS Sensor for superb low light images

This camera features an 18.2 megapixel Exmor® R CMOS image sensor that brings out the full resolving power of the camera's G Lens to deliver extremely fast speed, high resolution, and stunning low-light sensitivity with improved image clarity and drastically reduced grain. In addition, the combined Exmor® R CMOS sensor and BIONZ® X image processor delivers extremely fast up to 10fps, Anti Motion Blur, Hand-held Twilight and 1080p movie modes.

BIONZ X engine for superb detail and noise reduction

Shoot incredibly smooth video¹ and still images with the new BIONZ® X processor and Optical SteadyShot™ (Intelligent Active mode). When the processor and image stabilization technology work together they deliver sharp image quality with low noise and minimal blur even while the user is strolling and the camera is zoomed in.

Smooth Full HD video recording in 1080/60p

Record crystal clear movies at the highest resolution available with capabilities for 60p in 1080 AVCHD™ video.¹ This provides stunning, fast cinematic video with less distortion for playback on your HDTV.²

Simple connectivity to smartphones via Wi-Fi® w/ NFC³

Connectivity with smartphones for One-touch sharing/One-touch remote has been simplified with Wi-Fi® w/NFC³ control. In addition to Wi-Fi support for connecting to smartphones, the camera also supports NFC (near field communication) providing "one touch connection" convenience when transferring images to Android™ smartphones and tablets. Users need only touch devices to connect; no complex set-up is required. Moreover, when using Smart Remote Control — a feature that allows shutter release to be controlled by a smartphone — connection to the smartphone can be established by simply touching compatible devices.

Capture the decisive moment with up to 10fps

Capture full 18.2megapixel resolution images at up to 10 frames per second, helping to ensure that the decisive moment is captured such as the soccer ball flying into the goal. In addition, a mechanical shutter helps reduce distortion when continuously shooting moving subjects.

Motion Shot Video traces subject movement

A cool effect to show off jumps, tracks, and more. With MotionShot Video, captured subject movement is displayed in a sequence of superimposed images on a single background.*^{1v}

4K quality still image output via HDMI®²

Enjoy the beauty of 4K quality still image (4x the resolution of Full HD) via simple HDMI® connection to compatible 4K TVs². The camera can also be connected via HDMI to HDTVs for full HD 1080p resolution images.

Sweep Panorama™ mode (up to 360°)

Sweep Panorama mode takes our Sweep Panorama function to the next level with the addition of motion compensation. Even when subjects are moving in the foreground of your landscape, these cameras can detect faces and moving subjects, intelligently stitching different widths together to minimize distortion. Simply press the shutter button and sweep the camera in the desired direction and the camera continuously shoots at a high speed, then seamlessly stitches the images together with automatic position adjustment to create one stunning panoramic image. Available in wide and up to 360° full circle, the camera can take a variety of panoramic shots.

Picture Effect for more expressive photos

Picture Effect adds a new level of expression to photos, making ordinary landscapes and portraits come to life by heightening mood and emphasizing certain attributes. There are nine different effects such as partial color to make your focal point stand out, or watercolor which looks like a painting.

Specifications

Camera Type	Compact zoom digital camera
Imaging Sensor	1/2.3" (7.76mm) Exmor R® CMOS sensor
Processor	BIONZ X®
Pixel Gross	18.9 MP
Effective Picture Resolution	18.2 MP
Color Filter System	RGB primary color mosaic filters
Media Type	Memory Stick Duo, Memory Stick PRO Duo, Memory Stick PRO Duo(High Speed), Memory Stick PROHG Duo, Memory Stick XC-HG Duo, Memory Stick Micro, Memory Stick Micro (Mark2), SD / SDHC / SDXC / microSD / microSDHC / microSDXC Memory Card
Color Space	sRGB
Still Image Max Effective Resolution	Approx. 18.2 Megapixels
Still Image Size 16:9	VGA: 16:9mode:13M(4,896x2,752) / 7.5M(3,648x2,056) / 2.1M(1,920x1,080)
Still Image Size 1:1	1:1mode: 13M (3,664x3,664) / 7.5M(2,736x2,736) / 3.7M(1,920x1,920)
Still Image Size 3:2	3:2mode:16M(4,896x3,264) / 8.9M(3,648x2,432) / 4.5M(2,592x1,728)
Still Image Size 4:3	4:3mode:18M(4,896x3,672) / 10M(3,648x2,736) / 5M(2,592x1,944)
Panorama Still Image Size	Sweep Panorama: Wide(7,152x1,080/4,912x1,920), Standard (4,912x1,080/3,424x1,92),360(11,520x1,080)
Video Format	AVCHD Ver2.0 / MP4
Video Mode	AVCHD: PS - 1920 x 1080/60p@28Mbps FX - 1920 x 1080/60i@ 24Mbps FH - 1920 x 1080/60i@17Mbps
Audio Format	AVCHD: Dolby Digital(AC-3) 2ch(Dolby Digital Stereo Creator) MP4: MPEG-4 AAC-LC 2ch
Microphone/Speaker	Stereo / mono
Still Image File Format	JPEG (DCF Ver.2.0,Exif Ver.2.3, MPF Baseline compliant)
Wind Noise Reduction	Off / On
Lens Type	Sony G
Aperture	iAuto (F3.3/F8.0(W), 2 steps with ND Filter) / Program Auto (F3.3/F8.0(W), 2 steps with ND Filter)
Aperture (Max.)	F3.3(W)-5.9(T)
Optical Zoom	10x (Optical Zoom during movie recording)
Digital Zoom	Still Image:18M Approx.40x / 10M Approx.53x / 5M Approx.75x / VGA Approx.153x / 13M (16:9) Approx.40x / 2M (16:9) Approx.102x Movie: Approx. 40
Focal Length (35mm equivalent)	(Still Image 3:2) f=26-260mm, (Still Image 4:3) f=25-250mm, (Still Image 16:9) f=27.5-275mm, (Still Image 1:1) f=29.5-295mm (Movie 16:9) f=27.5-275mm (SteadyShot Standard), f=27.5-385mm (SteadyShot Active), f=30-390mm (SteadyShot Intelligent Active) (Movie 4:3) f=33.5-335mm (SteadyShot Standard), f=33.5-469mm (SteadyShot Active), f=36.5-480mm (SteadyShot Intelligent Active)
Lens Groups-Elements	9 elements in 7 groups(including 4 aspheric elements)

Minimum Focus Distance	iAuto:AF(W:Approx.5cm(0.16') to Infinity, T:Approx.150cm(4.92') to Infinity) / Program Auto:AF(W:Approx.5cm(0.16') to Infinity, T:Approx.150cm(4.92') to Infinity)
Clear Image Zoom	Still Image:18M Approx.20x / 10M Approx.26x / 5M Approx.37x / VGA Approx.153x / 13M (16:9) Approx.20x / 2M (16:9) Approx.51x, Movie: Approx.20x
Macro Mode	Yes (Auto)
Steady Shot Mode:Active	Yes
LCD Type	3.0" ClearPhoto™ LCD (460K dots)
Brightness Control	Manual (5 steps)
Histogram	Yes (On/Off)
Grid Display	Yes
AF Modes	Single-shot AF
Focus Area	Wide / Center
AF Illuminator	Auto / Off
Metering Modes	Multi Pattern, Center Weighted, Spot
Metering Sensitivity	EV 2 to 16 (at ISO100 equivalent)
Exposure Compensation	Plus / Minus 2.0EV, 1 / 3EV step
Exposure Settings	Program Auto, Movie Mode(Intelligent Auto/Scene Selection), Panorama, Scene Selection, Intelligent Auto, Superior Auto
Scene Mode(s)	High Sensitivity, Night Scene, Handheld Twilight, Night Portrait, Landscape, Portrait, Soft Skin, Anti Motion, Blur, Backlight Correction HDR, Beach, Snow, Fireworks, Gourmet, Pet Mode
ISO	(Still Image) Auto (ISO100-1600),100 / 200 / 400 / 800/1600 / 3200, Multi Frame NR:Auto (ISO100-1600),100 / 200 / 400 / 800 / 1600 / 3200 / 6400*3 /12800 *3
Noise Reduction	Long exposure NR Multi Frame NR:Auto, ISO100-12800
White Balance Mode	Auto / Daylight / Cloudy / Fluor.: Cool White / Fluor.: Day White / Fluor.: Daylight / Incandescent / Flash / Custom
ISO Sensitivity (Movie)	(Movie) Auto: (ISO100 Level-ISO1000 Level) / High Sensitivity: (ISO100 Level - ISO2000 Level)
Drive Mode	Single, Continuous shooting, Self-timer, Self-timer(cont.), Self-portrait
Self-timer	Off / 10sec. / 2sec. / portrait1 / portrait2
Shutter Speeds	iAuto (4" - 1/1600) / Program Auto (1" - 1/1600)
Burst Mode	Approx.10 fps(for up to 10 shots)
Flash Modes	Auto / Flash On / Slow Synchro / Flash Off / Advanced Flash
Flash Coverage	ISO Auto: Approx.0.2m to 3.7m(7 7/8 inches to 12feet 1 3/4 inches)(W) / Approx.1.5m to 2.2 m(4feet 11 1/8 inches to 7feet 2 5/8 inches)(T), ISO3200: up to Approx.5.9m(19feet 4 3/8 inches)(W) / Approx.3.4m(11feet 1 7/8 inches)(T)
Red-Eye Reduction	On / Off
Erase/Protect	Erase: Single / Select / Date / Folder Protect: Single / Select / Date
Anti Motion Blur	Yes
Sweep Panorama	Intelligent Sweep Panorama (360)
Face Detection	Yes (eight faces max)
Smile Shutter™ technology	Yes
Image Stabilization	Optical SteadyShot™ Image Stabilization with Intelligent Active mode

Intelligent Auto	Yes
Shooting Tips	Yes
Wi-Fi	Yes
Background Defocus	Yes
Superior Auto	Yes
Tracking Focus	Off / Auto
Blink Detection	Yes

Memory Card Slot	MS Duo and SD/SDHC compatible
NFC	Yes (NFC forum Type 3 Tag compatible)
Wi-Fi	Yes (IEEE 802.11b/g/n(2.4GHz band))
HD Output	Multi / Micro USB Terminal Hi-Speed USB (USB 2.0) Micro HDMI
USB Port(s)	Multi (AV/USB), Hi-Speed USB (USB2.0)
Tripod Mount	Yes

Dimensions (Approx.)	W x H x D: 3 3/4" x 2 1/8" x 7/8" (92.3 x 52.4 x 21.6mm)
Weight (Approx.)	Approx. 3.7oz (106g)(Body Only)
Weight(Approx) (Main unit only)	3.7 oz. (106g)

Battery Type	LITHIUM ION NP-BN 4.2V
Battery Capacity	Typical: 2.3Wh (630mAh) Minimum: 2.2Wh (600mAh)
Supplied Battery Charger	NP-BN (supplied) / NP-BN1 (not supplied)
Power Consumption (in Operation)	Approx.1.2W
Power Requirements	AC 100V to 240V, 50/60 Hz, 70mA
	Still images: Approx. 210 / Approx. 105min
Power Consumption (in View Finder Operation)	Movie: Actual Shooting - approx. 35min(For (1440x1080 12M) size movies, continuous shooting is possible for approximately 15 minutes (limited by 2 GB file size). Continuous Shooting - approx. 50min(For (1440x1080 12M) size movies, continuous shooting is possible for approximately 15 minutes (limited by 2 GB file size).)

Supplied Accessories	Rechargeable Battery (NP-BN) AC Adaptor (AC-UB10C / UB10D) Micro USB cable Wrist Strap Instruction Manual
----------------------	---

1. Records in 29 minute segments

2. Requires compatible 4K/HDTV and HDMI® cable sold separately.

3. Requires NFC-compatible mobile device. Check device's user manual for compatibility.

11. Requires a valid Sony Entertainment Network account. Some apps require a fee.

©2014 Sony Electronics Inc. All rights reserved. Reproduction in whole or in part without written permission is prohibited. Sony, Cyber-shot, Optical SteadyShot, BIONZ X, Sweep Panorama, Exmor R and the Sony Be Moved logo are trademarks of Sony Corporation. Wi-Fi is a registered trademark of the Wi-Fi Alliance. HDMI is a trademark of HDMI Licensing LLC. All other trademarks are trademarks of their respective owners. Features and specifications subject to change without notice. / UPC:027242876934 / Updated: July 29, 2014